REFRENCES

1) Lennern äs, (1998)Human intestinal permeability, J. Pharm. Sci., 87: 403–10.
2) Westesen K. (2000)Novel lipid-based colloidal dispersions as potential drug administration systems-expectations and reality, Colloid Polym Sci, 278:608-618.
3) Martinez M N, G.L. Amidon, (2002)A mechanistic approach to understanding the factors affecting drug absorption: a review of fundamentals, J. Clin. Pharmacol. ;42: 620–643.
4) Amidon GL, Kasim NA, Whitehouse M, Ramchandran C, Bermejo M, Lennernas H, et al. (2003)Molecular properties of WHO essential rugs and provisional biopharmaceutical classification. Mol Pharm; 1:85-96.
5) Colin W. Pouton,(2006)Formulation of poorly water-soluble drugs for oral administration: Physicochemical and physiological issues and the lipid formulation classification system, european journal of pharmaceutical sciences, 2 9: 278–287
6) Muller R.H., Karsten M., Sven G. (2000) Solid lipid nanoparticles (SLN) for controlled drug delivery—A review of the state of the art. Eur J Pharm Biopharm, 50: 161-77
7) Savolainen M, Herder J, Khoo C, Lovqvist K, Dahlqvist C, Glad H, Juppo AM. (2003) Evaluation of polar lipid-hydrophilic polymer microparticles. Int J Pharm.; 262:47-62.
8) Lipinski C.A, Lombardo F, Dominy B.W and Feeney P.J, (2001) Experimental and computational approaches to estimate solubility and permeability in drug discovery and development settings, Adv. Drug Deliv. Rev. ;46:1-3
9) Majumdar S., Mitra A. (2006) Chemical modification and formulation approaches to elevated drug transport across cell membranes, Expert Opin. Drug Deliv., 3: 511–27.
10) Dey NS, S.Majumdar and M.E.B.Rao,Multiparticulate, (2009) Drug Delivery Systems for Controlled Release Available online at http://www.tjpr.org 1826-1837

11) Eldem T. Speiser P, Hincal A. (1991) Optimization of spray-dried and congealed lipid micropellets and characterization of their surface morphology by scanning electron microscopy. Pharm Res.;8:47-54

12) Müller R.H, Radtke M, Wissing SA. (2002) Solid lipid nanoparticles (SLN) and nanostructured lipid carriers (NLC) in cosmetic and dermatological preparations. Adv. Drug Deliv. Rev.;54 (Suppl 1):S131–S155.

13) Müller R.H,(1998).'Fest-flüssig (halbfeste) Lipidpartikel und Verfahren zur Herstellung hochkonzentrierter Lipidpartikeldispersionen", PCT/EP00/04565

14) Wissinga S.A., Kayserb O, Mu¨ller R.H, (2004) Solid lipid nanoparticles for parenteral drug delivery Advanced Drug Delivery Reviews 56 1257– 1272

15) Jenning V., Gohla S. (2000) Comparison of wax and glyceride solid lipid nanoparticles (SLN). Int J Pharm, 196: 219-22.

16) Westesen, K., Bunjes H., Koch, (1997) M.H.J. Physicochemical characterization of lipid nanoparticles and evaluation of their drug loading capacity and sustained release potential. J Control Rel, 48: 223-36.

17) Muller R.H., Wallis, K.H. (1993) Surface modification of i.v. injectable biodegradable nanoparticles with poloxamer polymers and poloxamine 908. Int J Pharm, 89: 25-31.

18) Cavalli R., Caputo O., Marengo E., Pattarino F., Gasco, (1998) M.R. The effect of components of microemulsions on both size and crystalline structure of solid lipid nanoparticles (SLN) containing a series of model molecules. Pharmazie, 53: 392-6.

19) Wolfgang M, Karsten Ma¨der, (2001) Solid lipid nanoparticles Production, characterization and applications, Advanced Drug Delivery Reviews 47 165–196.

20) Karsten M, (2006)Nanoparticulates as Drug Carriers edited , Imperial College Press, Danvers, USA,. 187-202

21) Lippacher, Mu¨ller R.H, Ma¨der K, (2000) Investigation on the viscoelastic properties of lipid based colloidal drug carriers, Int. J. Pharm. 196 227–230.

22) zur Mu¨hlen A, Schwarz C, Mehnert W, (1998) Solid lipid nanoparticles (SLN) for controlled drug delivery — Drug release and release mechanism, Eur. J. Pharm. Biopharm45: 149–155

23) Siekmann B, Westesen K, (1994)Melt-homogenized solid lipid nanoparticles stabilized by the nonionic surfactant tyloxapol. I. Preparation and particle size determination, Pharm. Pharmacol. Lett., 3: 194–197.

24) Gasco M.R. (1993) Method for producing solid lipid microspheres having narrow size distribution. US Patents, 5,250 236.

25) Trotta M., Debernardi,F., Caputo O. (2003) Preparation of solid lipid nanoparticles by solvent emulsification-diffusion technique. Int J Pharm, 257: 153-60

26) Fessi H, Puisieux F, Ammoury N and Benita S, (1989) Nanocapsule formation by interfacial polymer deposition following solvent displacement. Int J Pharm, 55:R1-R4

27) Schubert M.A., Muller-Goymann C.C. (2003) Solvent injection as a new approach for manufacturing lipid nanoparticles—Evaluation of the method and process parameters. Eur J Pharma Biopharm 55(1): 125-31

28) Cavalli R., Caputo O., Carlotti M.E., Trotta M., Scarnecchia C., Gasco M.R. (1997)Sterilization and freeze-drying of drugfree and drug-loaded solid lipid nanoparticles. Int J Pharm, 148: 47-54.

29) Zur Mu¨hlen A,(1996)Feste Lipid-Nanopartikel mit prolongierter Wirkstoffliberation: Herstellung, Langzeitstabilita¨t, Charak-terisierung, Freisetzungsverhalten und mechanismen, Ph.D. Thesis, Free University of Berlin,.

30) Schwarz C, W. Mehnert, (1997)Freeze-drying of drug-free and drug-loaded solid lipid nanoparicles, Int. J. Pharm., , 157:171–179.

31) Freitas C, Mu¨ller R.H, (1998) Spray-drying of solid lipid nanoparticles (SLNE), Eur. J. Pharm. Biopharm., 46 145–151

32) Penkler L, Mu¨ller R.H, Runge S.A, Ravelli V, (1999) Pharmaceutical cyclosporin formulation with improved biophagocytic , improved physical quality and greater stability, and method for producing said formulation, WO 99/56733

33) Jenning V., Schafer-Korting M., Gohla S.(2000) Vitamin A-loaded solid lipid nanoparticles for topical use: Drug release properties. J Control Rel, 66: 115-26.

34) Cavalli R., GascoM.R., Chetoni P., Burgalassi, S., Saettone, M.F.(2002) Solid lipid nanoparticles (SLN) as ocular delivery systems for tobramycin. Int J Pharm, 238: 241-5.

35) Demirel M., Yazan Y., Muller R.H., Kilic F., Bozan, B. (2001) Formulation and in vitro–in vivo evaluation of piribidil solid lipid micro and nanoparticles. J.Microencapsul 18(3): 359-71.

36) Zara G.P., Bargoni A., Cavalli R., Fundaro A., Vighetto, D., Gasco M.R. (2002) Pharmacokinetics and tissue distribution of idarubicin-loaded solid lipid nanoparticles after duodenal administration to rats. J Pharm Sci, 91(5): 1324-33.

37) Hu F.Q., HongY., Yuan H. (2004) Preparation and characterization of solid lipid nanoparticles containing peptide. Int J Pharm 273(1–2): 29-37

38) Wissing S.A., Muller R.H. (2001) Soild lipid nanoparticles (SLN)—A novel carrier for UV blockers. Pharmazie, 56(10): 783-6

39) Almeida A.J., Stephan R., Muller R.H. (1997)Peptide-loaded solid lipid nanoparticles (SLN): Influence of production parameters. Int J Pharm 149: 255-65.

40) Mario J, Mira BL, Ana K, Biserka C. (2005) Influence of cyclodextrin complexation on piroxicam gel formulations. Acta Pharm.; 55:223-36.

41) Desai MP, Labhasetwar V, Amidon GL, Levy RJ. (1996) Gastrointestinal uptake of biodegradable microparticles: effect of particle size. Pharm Res. 13:1838-45.

42) Inbar E. Yifat G, Inbal B. Rimona M. (2009) A novel Diclofenac- carrier for local treatment of osteoarthritis applying live – animal MRI. J Control Rel.;135:65–70.

43) Korakianiti ES, Rekkas DM, Dallas PP, Choulis NH. (2002) Optimization of the pelletization process in a fluid-bed rotor granulator using experimental design. AAPS PharmSciTech.;1(4):article 35.

44) Torsten MG, Muller RH. (2005) Protein adsorption patterns on poloxamer and poloxamine stabilized solid lipid nanoparticles (SLN). Eur J Pharm Biopharm.;60:361-72.

45) Tewa TP, Briancon S, Fessi H. (2007) Preparation of redispersible dry nanocapsules by means of spray-drying: Development and characterization. Eur J Pharm Sci.;30(2):124-35.

46) Waree T, Watcharaphorn T, Pinyupa P.(2007) Formulation and characterization of curcuminoids loaded solid lipid nanoparticles. Int J Pharm.;337:299-306.

47) Abhijit AD, Nagarsenker MS. (2007) Design and evaluation of self-nanoemulsifying drug delivery systems (SNEDDS) for cefpodoxime proxetil. Int J Pharm.;;329:166-172.

48) Vivek K, Harivardhan R, Murthy1 RSR. (2007) Investigations of the effect of the lipid matrix on drug entrapment, in vitro release, and physical stability of olanzapine loaded solid lipid nanoparticles. AAPS PharmSciTech.; 8(4):Article 83.

49) El-Kamel A.H., Al-Shora D.H., El-Sayed Y.M, (2006) Formulation and pharmacodynamic evaluation of captopril sustained release microparticles Journal of Microencapsulation, 6; 23(4): 389–404

50) Singh P. Senthilkuma1 S.K., Keerthi1 T.S., Tamizh Getyala A,(2010) Interpenetrating Polymer Network (Ipn)Microparticles An Advancement In Novel Drug Delivery System: A Review ,Pharma Science Monitor An International Journal of Pharmaceutical Sciences 1826-1837